

ABSTRACT OF THE DICLOSURE

A tire-wheel assembly having a wheel with a rim and a pneumatic tire mounted on the rim, the pneumatic tire having a cavity inside for charging air. The pneumatic tire has a cavity's resonant frequency F_c arising from the cavity, and the wheel has a plurality of natural frequencies. The difference between the cavity's resonant frequency F_c of the pneumatic tire and the natural frequency F_w of the wheel closest to the cavity's resonant frequency is 10 Hz or more.